W. B. Hataway 537 K. L. Mercer 577

P. O. Box 3602 Beaumont, Texas 77704 (409) 832-6409, 866-4822, 866-4223+

MARINE CHEMIST CERTIFICATE SERIAL NO. 8135147

SBA SHIPYARD

W 0 909

DOMAR

8 21 85

Vessel Owner or Agent Survey Requested by Date SBA MERMENTAU S JW COMB Specific Location of Vessel CRUDE OIL, BLACK OIL 5:00 PM Test Method Last Three (3) Cargoes Time Survey Completed

CARGO TANKS 4 P&S----------less thanXXXX 1% LEL, degreaser in tanks

REMAINING CARGO TANKS (FWD TRIM P&S, 1-3 P&S, 5 P&S)-0% LEL, GENERALLY CLEAN

FORWARD AND AFTER RAKES P&S-----0%LEL

IT IS SAFE & TO SANDBLAST & THE DECK OF THIS BARGE

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306-1980, Subsections 1-6.1 through 1-6.4, and Subsection 5-3.2).

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers has not been met.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjace under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjace under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted.

CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306-1980 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306-1980 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed_

Certificate No.

Signed_

Company

Printed in U.S.A.

B. Heteway 537

MARINE CHEMIST CERTIFICATE

SERIAL NO. D 18835

SEASILP WED	DOMER	12-17-02017
Survey Requested by	Vessel Owner or Agent	12-11-8465
DOMAR 118	TANE RAPCE	SEA Francisco
Vessel	Type of Vessel	Specific Location Aller
BLACK OIL	JIMI COME.	A I DM
Last Three (3) Cargoes	Test Method	Time Survey Completed
CARGO TANKS 1745	S SAFE A	OR MORKERS
=P45	S / SAFE F	FOR HOT WAR
3 P+	S / NIR BCO	THE TANK
Ta Day - a 1 Day	, /	
FOR PAINTING + DOING	THOT MORK; 14	WK + HOT WORKSTANK
T/17 15, OK 70	PAINT IN HO. 1 1	DO HOT WORK
NO, 3, PROVIDED 1		The second
		To be
CARGO TANKS NO. 4	1Pts - 070L	Eligenerally led
	Some	codte. I
	1,000,000,1001(000000000000000000000000	
CARGO TANES NO.	5 Pts - 0%	LEC Generally Clean,
	50	me résidue. l'
CARGO LINES	Opene	al washed alosed.
STEAM COICE	hove	been steamed.
In the event of any physical or atmospheric ch to any of the above spaces, or if in any doubt,		
QUALIFICATIONS: Transfer of ballast or manipulation o		

affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 1-6.1 through 1-6.4, and Subsection 5-3.2).

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

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Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned ack	nowledges receipt of	this Certificate	under Section	on 2-3 of	NFPA 306	ò
and understands cond	itions and limitations	under which it w	as issued."			

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to complete the complete to complete the comp forth was completed and is issued subject to compliance with all qualifications and instructions

Signed.

Signed.

Certificate

rinted in U.S.A

P. C. Sex 3602 Securions, Texas 77704 (409) 832-6009, 365-4922, 865-4223 VL S. Richney 537 K. L. Mercer 577	SERIAL NO. D 18835
Survey Requested by	Vossel Owner or Agent
Survey, Requested by	Vossel Owner or Agent / ANK BAPCE Type of Vessel
Vessel	Specific Location of Ve
Last Three (3) Cargoes	Test Method Time Survey Comple
CARGO TANKS 1145	SAFE FOR WORKERS
= P+S	DIR BLOWER IN LOOK TANK
	THE GLOCK TANE
FOR PAINTING I DaINE HO	T WORK! THERE MUST BEDNE
FUTTER TANK TETISE	EN PAINT TANK HHOT WORKINAN
	INT IN NO. 1 1 DO HOT WISHEN
MY, T. PROVIDED PROPE	R EDUIDMENT 15 IFTILITED
UARGO TANKS NO.4 Pt	5 - 070 LEL gane rellateles
	Some water
LATELS TANES NO. 5 PE	
	Some résidue.
UNRES LINES	openal washel ulosel.
STEAM COICE	- hove been steemed.
	rsely affecting the STANDARD SAFETY DESIGNATIONS assigned by stop all work and contact the undersigned Marine Chemist.
subject to gas accumulation, unless specifically approved in this Certifi	losure equipment tending to alter conditions in pipe lines, tanks or compartments cate, requires inspection and endorsement or relesue of Certificate for the spaces so sed, appurtmentes shall be considered "not safe" unless otherwise specifically
designated. STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA	
(b) toxic materials in the atmosphere are within permissible concentrations; a	ated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, nd that, the the residues are not capable of producing toxic materials under existing atmospheric
· · · · · · · · · · · · · · · · · · ·	designated, the requirements of Safe for Workers have not been met.
inerted spaces or where external hot work is to be performed; and that, (b)	a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of the concentration of flammable materials in the atmosphere is below 10 percent of the lower igher concentration than permitted by (b) above under existing atmospheric conditions in the
	ertificate; and further, that, (d) all adjacent spaces containing or having contained flammable or ire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or
NOT SAFE FOR HOT WORK: Means that in the compartment so designated	, the requirements of Safe for Hot Work have not been met.
remote sampling stations, and results indicate the atmosphere tested to be above	aces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at the 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted. The percent oxygen in the foregoing list are in accordance with NFPA 306 Control of Gas
Hazards on Vessels and have found the condition of each to be in accordance v The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306	vith its assigned designation. This Certificate is based on conditions existing at the time the inspection herein set
and understands conditions and limitations under which it was issued."	forth was completed and is issued subject to compliance with all qualifications and instructions.

Company Date Signed Merine Chamist
NOTE THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

20M-10-84-UDP

rinted in U.S.A

MARINE CHEMIST CERTIFICATE MARINE CHEMISTS, INC. OF TEXAS Box 3602 Beaumont, Texas 77704 (409) 832-6409, 866-4322, 866-4223 W. B. Hataway 537 K. L. Mercer 577 P. O. Box 3602 SERIAL NO.D 18504 9CK 011.60 BOW RAKE VOIDS P/S STERN RAKE VOIDS P/S AFTER COFFERDAM SAFE FOR HONDORK No. 4 P/S CARGO TANKS - SAFE FOR WORKERS - SAFE FOR HORNORK No. 5 P/S CARGO TANKS - SAFEFOR WORKERS - SAFE FOR HORWORK FIREWATCH WITH CHARGED FIREHOSE REQD. ON STAND-BY. SAFE FOR HOTWORK WITH LINE OPEN IN WORK TANK (VALUE BONNET OUT OF PLACE) AND AIR BLUWING THRU LINE. FIRE WATCH RERD, ON STAND-134 CHARGED FIREHOSE.

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

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i ne unaersigne	i acknowledges receipt of this Certificate under Section 2-3 of INFFA 3	UD
	conditions and limitations under which it was issued."	
and understands	folicitions and implations order which it was issued.	

cate is based on conditions existing at the time the inspection herein set completed and is issued subject to compliance with all qualifications and This Certificate forth was com-instructions

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

Printed in U.S.A.

). Box 3502 Becument, Texas 77704 (409) 832-6409, 866-4822, 866-4223 SERIAL NO. D 74149 W. B. Hatowey 537 K. L. Mercer 577 Survey Requested by Vessel Owner or Agent Type of Vessel Specific Location of Vessel Last Three (3) Cargoes Test Method BOW RAKE VOIDS P/S) SAFE FOR WORKERS STERN RAKE VOIDS P/S / SAFE FOR HOWORK FORWARD TRIM TANKS P/S | SAFE FOR WORKERS
AFTER TRIM TANKS P/S / SAFE FOR HOTWORK CARGO TANKS No. 1-2-3-4 P/S-SAFE FOR WORKERS SAFE FOR HORNORK CARGO TANKS NO. 5 P/S - SAFE FOR WORKERS-SAFE FOR HORNERS FIREWATCH WITH CHARGED FIREHOSE REGO. ON SMND-BY. STERM COILS- BLOWN WITH AIR. SAFE FOR HORDORK CARGOLINES & DEDOUGH - DRAINED - VALUES CROSED. PORMBLE AIR VENTILATION REGD. IN WIRE TANK In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist. QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments sub-Ject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating colls, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated. STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 1-6.1 through 1-6.4, and Subsection 5-3.2). SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate. NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met. SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine

CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation. "The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306 and understands conditions and limitations under which it was issued."

room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

MARINE CHEMISTS, INC. OF TEXAS

This Certificate is based on conditions existing at the time the inspection herein set forth was completed

MARINE CHEMIST CERTIFICATE

and is issued subject to compliance with all qualifications and instructions

SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

Signed____

Becoment, Texas 77704 856-4822, 865-4223 SERIAL NO. 174243 Survey Requested by Vessel Owner or Agent Type of Vessel Specific Location of Vessel Last Three (3) Cargoes Test Method Time Survey Completed BOW RAKE VOIDS P/S OR WORKERS STERN RAKE VOIDS PIS OIDS UNDER STERN RAKES P/S, OLD WORK TO CLETTA CARGO TANKS No. 1-2-3-4-5 P/S TOR WORKERS FORE & AFT. TRIM TANKS PI & VENTILATION. EQUID MENT KEMOUED In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist. QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated. STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 1-6.1 through 1-6.4, and Subsection 5-3.2). SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate. NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met. SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the

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presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine

on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306 and understands conditions and limitations under which it was issued."

room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed

MARINE CHEMIST CERTIFICATE

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

Printed in U.S.A.

Signed_

MARINE CHEMISTS, INC. OF TEXAS P. O. Box 3602 Beaumont, Texas 77704 (409) 832-6409, 866-4822, 866-4223 W. B. Hataway 537 K. L. Mercer 577

W.O. 1030

SERIAL NO. D 74722

MARINE CHEMIST CERTIFICATE

W. B. Hataway 537 K. L. Mercer 577

SEA SAIP; ARD

Survey Requested by

Vessel Owner or Agent

TANK RARCE

SEA MERINEWITH

Vessel

Type of Vessel

Type of Vessel

Test Method

Time Survey Completed

TANKS ARE DAMP;

TANKS ARE DAMP;

CATEGO TAMES 1-5 PAS

TAMES ARE DAMP!

AFTER TRIM TAMES PAS

SAFE FOR HOT WORK.

PUT IN DIR VENTILATION

(MIN 1000 CFM). THEN

SARE FOR WORKERS

CARGO LINES + 3 DEED WITCH - OPEN, DIRAINED.

STEAM COICE

AIR BLOWN.

FORENTRO RACE PES
AFTER RAKE PES
SKEC VOIDS IN AFT RACE DES

POT IN DIR BLOWER (MIN 500 CPM) THEN SAFE FOR WORCERS SAFE FOR WORCERS SAFE FOR HOT WORK

DECK SCOP THRES, FLUDA AFT - Clean.

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

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CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

COU(S) 34 2-14 88

Signed UB Hallocote 453

VESSEL POSTING

20M-4-86 NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

Printed in U.S.A.